



GEORGIA WING

AEROSPACE EDUCATION PLAN OF ACTION

CURRENT CALENDAR YEAR

2010

**Thomas Owens CFI/II
Capt, CAP
Director Aerospace Education**

**Tonya Boylan
Col, CAP
Commander**

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GUIDING PRINCIPLES

1. Member education on STEM topics. This is per recent DARPA, NASA and CAP/AFA initiatives like Cyberpatriot.
2. Ground School Instruction around Georgia Wing leading to Cadets passing the FAA Written Exam for Airplane Single Engine Land and/or Glider (The Flight Simulator Stations we are preparing will be a big part of this push.)
3. Leverage Gulfstream and Lockheed Martin Engineering talent for an Aerospace Engineering Academy (We will do a prototype session of 3 days and 12 cadets in the spring.)
4. Continue Senior Member education seminars leading to the completion of the AEPSM Program, Yeager Award. (AE Directorate provides materials, but Squadron Commanders and Group Commanders manage their numbers.)
5. Provide opportunities for Senior Members to advance in the Aerospace Education Specialty Track. (We will continue with the AEO School Warner Robins only charges us \$100 to use the Eagle Conference Room.)
6. Maintain Wing Compliance and opportunities/materials for Squadron CC's and AEOs to improve performance on SAVs and SUIs. (New taller bookcases will allow us to better display records and science demonstrations.)

You will see that, like last year, our focus is on the acquisition of equipment and growing talent in support of these longer term goals.

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AE PROGRAM FOR SENIOR MEMBERS (AEPSM)

- GOAL:
1. Continue trend of increasing total Wing participation established in 2009.
 2. Establish automated SIMS push queries for auto-generation of CAPF 126 as well as totals and percent SM participation at all unit levels.
 3. DAE and AEOs provide new and advanced SM content using existing talent acquired through the paperwork reduction achieved in Goal 2 above.
- MEASURE:
1. Total number of Yeager Certificates presented each year.
 2. Percentage of Senior Membership who joined before November 1st of the closing year who hold the award.
 3. Number of Advanced Aerospace Programs provided.
- DUE DATE: 31 December 2010
- 2009 DATA: **68 AEPSM's** were awarded... a significant improvement.
No advanced Senior Member Aerospace meetings were held.
Some advanced content periodically pushed in the new e-Newsletter.
- 2008 DATA: 27 AEPSM's were awarded.
- 2007 DATA: 47 AEPSMs were awarded.

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AEROSPACE EDUCATION OFFICER (AEO)

- GOAL:
1. Ensure each unit has an AEO assigned by April and enlist Assistant AEO's.
 2. Have AEO delegate sub-specialties (Astronomy, Paper Airplanes, Rocketry) to the Assistant AEOs to facilitate rapid and consistent development of expertise and content to be presented to cadets. Advertise them!
 3. Increase 215 Track rating of any AEO or assistant AEOs by one level each year. DAE uses customized push queries in SIMS to facilitate reporting.
- MEASURE:
1. Report by unit, name and rating of AEO and Assistant AEOs.
 2. Query unit AEOs regularly to list any sub-specialties that take hold.
 3. Track increase in AEO Count after marketing push begins in February.
- DUE DATE: Track improvement monthly with SIMS push queries.
Assignment corrections: Feb 2010
- 2009 DATA: Little improvement for 2009, new Wing DAE assigned with staying power.
- 2008 DATA: 19 Units had no AEO assigned. 8 Units had Primary AEO's without 215 specialty track. 9 Units has Assistant AEO's without 215 specialty track.

3 **AEROSPACE ACTIVITY REPORT/WING AEO SCHOOL**

GOAL: 1. To conduct an AEO Basic School in Warner Robins or Marietta each year to educate unit officers on how to properly complete this and other reports.
 2. To improve on time submission of Annual AE Activity Report by 15 JAN of each year.
 3. To improve number of units participating in Model Rocketry Program.

MEASURE: Arrival or non arrival of the Unit AE Activity Report will be logged in a supplemental table within SIMS so that reporting performance can be easily tracked and improved from previous year.

DUE DATE: 31 Dec 2010

2009 DATA: Big Improvement... but not perfect.

2008 DATA: 3 Units submitted Aerospace Annual Activity Reports.

4 **AEX AWARD PROGRAM**

GOAL: 1. The new Georgia Wing DAE will contribute new material to a new AEX Module which will encourage squadrons with officers from local Aerospace companies to participate in more advanced hands-on activities and demos.
 2. The new DAE will motivate units to participate to earn one award annually.
 3. The email newsletter and new website will provide online templates, materials and power-points to facilitate.

MEASURE: Registration will be verified by the end of February.
 The presence of email and website content will be printed and logged.

DUE DATE: 31 Dec 2010

2009 DATA: Cobb Composite Squadron earned the AEX Award in 2009.

2008 DATA: Three units are participating in the 2008-2009 AEX Award program. One unit, GA808 has received two AEX awards during calendar year 2008 and two during calendar year 2007.

5 AEROSPACE EDUCATION MEMBERS (AEM's)

GOAL: To contact each AEM and log if and when they have been given a TOP flight.
Reduce the number of un-flown teachers by 50%.
Utilize relationships created with AFJROTC Cadet Orientation Flights.

MEASURE: Recruit as many teachers as possible. Begin with the SEP units and branch out to public and private schools. Utilize the relationships created with the AFJROTC Cadet Orientation Flights.

DUE DATE: Now

01-07 DATA: 19 AEM's Active

2008 DATA: 24 AEM's joined in 2008. Through 31 Dec 08, 21 AEM's have participated in the Fly-A-Teacher Program.

6 WING CONFERENCE/AE BREAKOUT SESSIONS

GOAL: Advertise that the Wing Conference will include Aerospace Breakout Sessions
Contact one Senior Member to provide a Basic Talk on Education Strategies.
Contact one Senior Member for an Advanced presentation on Aerospace.

MEASURE: Offer breakout sessions for hands-on exercises, review of new material and sharing of best practices.

DUE DATE: Log action and results by 15 June 2010

2009 DATA: No Aerospace Education Breakout sessions were held at Wing Conference.

2008 DATA: Breakout sessions held at conference.

2007 DATA: Breakout sessions held at conference.

7 NCASE

GOAL: To increase AEO participation at NCASE by any amount.

MEASURE: Wing AE staff should participate to the maximum extent possible and encourage participation at unit level.

DUE DATE: 30 October 2010

2009 DATA: NCASE not offered, but the new Wing DAE attended an AIAA conference.

2008 DATA: No members attended.

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AEROSPACE EDUCATION OFFICER STAFF SCHOOL

GOAL: 1. To use the Georgia Wing website and e-newsletter to promote this National School at Pensacola in June so that new activities can be brought back
2. To always have at least one Georgia Wing representative at this event.
3. To debrief attendees so material can be used at GAWG AEO School.

MEASURE: Count the number of Georgia Wing attendees.

DUE DATE: 31 May 2009

2009 DATA: 5 Georgia Wing members attended in 2009... an improvement.

2008 DATA: 3 Georgia Wing members attended in 2008.

2007 DATA: 5 Georgia Wing members attended in 2007.

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AEROSPACE EDUCATION AWARDS

GOAL: 1. To use the new Georgia Wing AEO School to educate unit AEOs on how to submit members for Annual AE Awards such as Brewer, Crossfield, Crown Circle, CAP AE Teacher of the year and AEO of the Year).
2. To increase award submission by 20%.

MEASURE: The count of awards submitted.
Copies of award submissions will be kept in Wing and Unit Continuity Books.

DUE DATE: As appropriate (Considering the due date of each award nomination)

2009 DATA: Two Brewer Awards were Submitted which is a 100% increase.

2008 DATA: There was one Brewer Award Submitted.

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AE WEBPAGE & NEWSLETTERS

GOAL: 1. To maintain & populate the GA Wing AE Webpage first created in 2009.
2. To continue and further automate the Georgia Aerospace e-Newsletter.

MEASURE: Use the webpage as a tool for local units to get AE topics of interest, links to resources and ideas for local training. Website will be updated monthly and a minimum of two bulletins/newsletters will be populated per year. Units will submit items at least twice per year.

DUE DATE: Website due now. Newsletter submissions will be acquired continuously.

2009 DATA: A limited website first went up and was populated at the end of 2009.

2008 DATA: No data.

11 **REPORTS TO COMMANDER**

GOAL: Motivate unit AEO's to provide a minimum of quarterly reports to their commanders and the Wing DAE.

MEASURE: A minimum of four quarterly email reports using the AE Plan of Action format will be provided to the Unit Commanders and the Wing DAE.

DUE DATE: 31 March, 30 June, 30 September and 31 December 2010

2008 DATA: Annual report to the Commander only.

12 **SCHOOL ENRICHMENT PROGRAM (SEP)**

GOAL: Monitor present SEP units for compliance with the National guidelines governing the program. Assist Commanders as necessary in understanding, running and maintaining units and records. To increase number of SEP units in the Wing by visiting schools and helping them start an SEP program. Assist National HQ/SEP in attaining their goals.

MEASURE: Follow up on National HQ contacts and GA Wing contacts. Conduct briefings at County School Board meetings and at local schools.

DUE DATE: NOW

2008 DATA: 2 unit follow-ups in progress at Adamson Middle School (Rex, GA) and Maxwell H.S of Technology (Lawrenceville GA).

13 **EXTERNAL AEROSPACE**

GOAL: To support external aerospace workshops and promote aerospace education through community organizations and schools.

MEASURE: Meet with local school boards, community organizations, municipal government officials and promote aerospace educations where ever possible. Continue to participate as previous years with all Fernbank Science Center, EAA, NESAA, NASA, SEMAA and Georgia Education programs.

DUE DATE: Ongoing.

2008 DATA: The AEO (External) participated in many varied programs and workshops within and outside the state.

14 **STAFF VISITS**

GOAL: Support unit AEOs or commanders with regular visitation from Wing AE staff.

MEASURE: Regular visitations will allow for personal interaction between wing and squadron staff which will build a closer working relationship and open lines of communication.

DUE DATE: Staff members should visit each unit at least twice per year.

2009 DATA: Visits to Cobb, Calhoun, Rome, and Etowah Bartow were made by new DAE.

2008 DATA: There were two visits conducted by the AE Staff.

15 **WING RECORDS , TOOLS AND EQUIPMENT**

GOAL: Maintain any required paper records, present acquired books and instructional tools so that there availability is transparent.

MEASURE: There must be a way to keep and access information gathered and disseminated throughout the year. By having an organized system, reports will be completed accurately and on time and the program will remain effective regardless or who works it.

DUE DATE: NOW

2009 DATA: A paper based filing system was established by the outgoing Internal AEO.

2008 DATA: No filing system is in place by AE staff.

Original Signed

Capt Thomas A. Owens
Wing DAE

Original Signed

Col Tonya Boylan, CAP
Wing Commander